Figure 1.

Physiological Measure	Time of Day	Sequence
Acidity (pH) Level (41)	10/25/1999 14:00	1
Arterial Carbon Dioxide Score (42)	10/25/1999 14:00	2
Arterial Oxygen Score (43)	10/25/1999 14:00	3
Atrial Electrical Activity (44)	10/25/1999 14:00	4
Blood Pressure (45)	10/25/1999 14:00	5
Body Temperature (46)	10/25/1999 14:00	6
BUN and Creatinine (47)	10/25/1999 14:00	7
Cardiac Injury Chemical Tests (48)	10/25/1999 14:00	8
Cardiac Output (49)	10/25/1999 14:00	9
Cardiovascular Pressures (50)	10/25/1999 14:00	10
CNS Blood Flow (51)	10/25/1999 14:00	11
CNS Injury Chemical Tests (52)	10/25/1999 14:00	12
Coronary Sinus Lactate Production (53)	10/25/1999 14:00	13
	10/25/1999 14:00	14
Glucose Level (54)		15
Hematocrit (55)	10/25/1999 14:00	
Hormonal Levels (56)	10/25/1999 14:00	16
Interventions Made (57)	10/25/1999 14:00	17
Left Ventricular Wall Motion Changes (58)	10/25/1999 14:00	18
Lung Injury Chemical Tests (59)	10/25/1999 14:00	19
Minute Ventilation (60)	10/25/1999 14:00	20
Mixed Venous Oxygen Score (61)	10/25/1999 14:00	21
Myocardial Blood Flow (62)	10/25/1999 14:00	22
Patient Activity Score (63)	10/25/1999 14:00	23
Patient Geographic Location (Altitude) (64)	10/25/1999 14:00	24
Posture (65)	10/25/1999 14:00	25
Potassium [K+] Level (66)	10/25/1999 14:00	26
PR Interval or AV Interval (67)	10/25/1999 14:00	27
Pulmonary Artery Diastolic Pressure Measure (68)	10/25/1999 14:00	28
Pulmonary Artery Systolic Pressure Measure (69)	10/25/1999 14:00	29
Pulmonary Measures (70)	10/25/1999 14:00	30
QRS Measures (71)	10/25/1999 14:00	31
QT Interval (72)	10/25/1999 14:00	32
Respiratory Rate (73)	10/25/1999 14:00	33
Serum Myocardial Creatinine Kinase (74)	10/25/1999 14:00	34
Serum Troponin (75)	10/25/1999 14:00	35
Sodium [Na.1] Lovel (76)	10/25/1999 14:00	36
ST Segment Measures (77)	10/25/1999 14:00	37
ST-T Wave Measures (78)	10/25/1999 14:00	
Success of Interventions Made (79)	10/25/1999 14:00	38 39
T \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	10/25/1000 14:00	
T Wave Measures (80)	10/25/1999 14:00	40 41
Temperature (81)	10/25/1999 14:00	41
Transthoracic Impedance (82)	10/25/1999 14:00	42
Ventilatory Tidal Volume (83)	10/25/1999 14:00	43
Ventricular Electrical Activity (84)	10/25/1999 14:00	44
Time of Day (85)	10/25/1999 14:00	45
	 	
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Quality of Life (QOL)		
Measure	Time of Day	Sequence
Overall Health Wellness (96)	10/25/1999 14:00	1
Psychological State (97)	10/25/1999 14:00	
Chest Discomfort (98)	10/25/1999 14:00	3
Location of Chest Discomfort	10/25/1999 14:00	4
(99)		
Palpitations (100)	10/25/1999 14:00	5
Shortness of Breath (101)	10/25/1999 14:00	6
Exercise Tolerance (102)	10/25/1999 14:00	7
	10/25/1999 14:00	8
Sputum Production (104)		
Sputum Color (105)	10/25/1999 14:00	10
Energy Level (106)	10/25/1999 14:00	11
Syncope (107)	10/25/1999 14:00	12
Near Syncope (108)	10/25/1999 14:00	13
Maurona (400)	10/05/1000 14:00	14
Diaphoresis (110)	10/25/1999 14:00	15
Time of Day (111)	10/25/1999 14:00	16
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Angina (124)	QOL Sets(139)	Chest discomfort QOL measure; Seq Num: 1 (149)	Nausea QOL measure; Seq Num: 2 (150)	Diaphoresis QOL measure; Seq Num: 3 (151)	Chest Discomfort QOL measure; Seq Num: 4 (152)					
Angine	Monitoring Sets (138)	Increased ST segment; Seq Num: 1 (140)	Decreased ST segment; Seq Num: 2 (141)	Increased creatinine kinase; Seq Num: 3 (142)	Increased troponin; Seq Num: 4 (143)	Increased coronary sinus lactate; Seq Num: 5 (144)	Changed myocardial wall motion; Seq Num: 6 (145)	Ventricular tachycardia; Seq Num: 7 (146)	T wave inversion; Seq Num: 9 (147)	QRS widening; Seq Num: 10 (148)
e capacity (122)	QOL Sets(126)	Exercise tolerance QOL measure; Seq Num: 1 (130)	Energy level QOL measure; Seq Num: 2 (131)			Respiratory distress (123)	Shortness of breath QOL measure; Seq			
Reduced exercise capacity (122)	Monitoring Sets (125)	Decreased cardiac output; Seq Num: 1 (127)	Decreased mixed venous oxygen score; Seq Num: 2 (128)	Decreased patient activity score; Seq Num: 3 (129)		1 1	Monitoring Sets (132) Increased respiratory rate; Seq Num: 1 (134)	Decreased transthoracic impedance; Seq Num: 2	(135) Increased PADP; Seq Num: 3 (136)	

Figure 5.

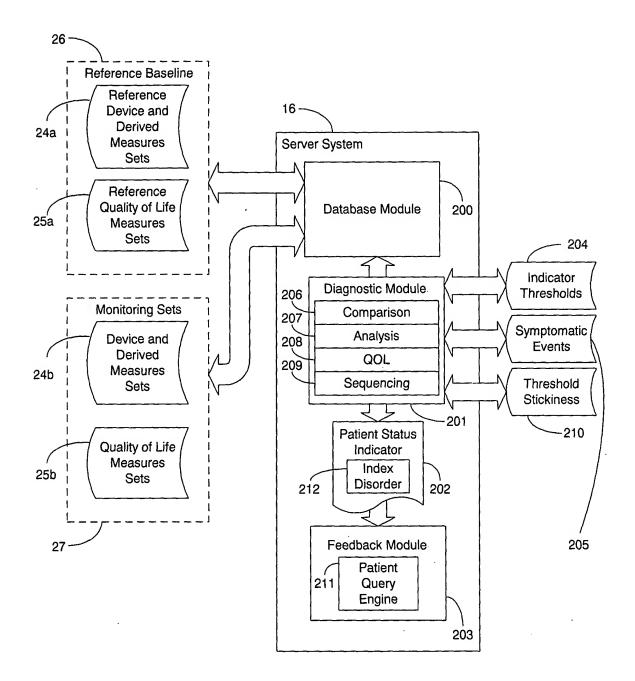


Figure 6.

Patient 1

Set 0				Set n-2	Set n-1	Set n
X ₀	•	•	•	X _{n-2}	X _{n-1}	X _n
$\frac{\gamma_0}{\gamma_0}$	•	•	•	Y _{n-2}	Y _{n-1}	Yn
$\frac{10}{Z_0}$	•	•	•	Z _{n-2}	Z_{n-1}	Z_n

 $time \rightarrow$

Patient 2

Set 0			1	Set n-2	Set n-1	Set n
X ₀ ,	•	•	•	X _{n-2'}	X _{n-1} ,	X _n '
- X ₀	•	•	•	Y _{n-2} ,	Y _{n-1} '	Y _{n'}
7 _{0'}	•	•	•	Z_{n-2}	Z _{n-1'}	$Z_{n'}$

 $time \rightarrow$

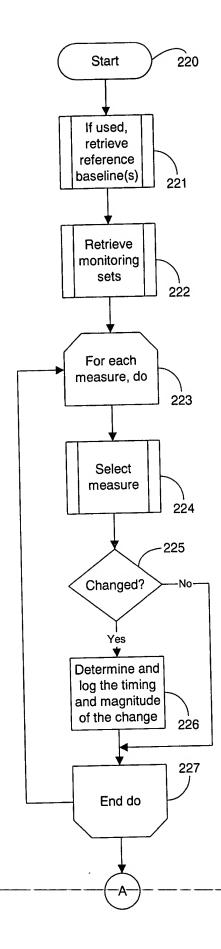
Patient 3

Set 0				Set n-2	Set n-1	Set n
	•	•	•	X _{n-2"}	X _{n-1"}	X _{n"}
X _{0"}	-	_	-		Y _{n-1"}	Yn"
Y _{0"}		<u> </u>		Y _{n-2"}		7 "
$Z_{0"}$	•	•	•	∠ _{n-2"}	∠ _{n-1"}	_ n"

 $time \rightarrow$

Figure 7.





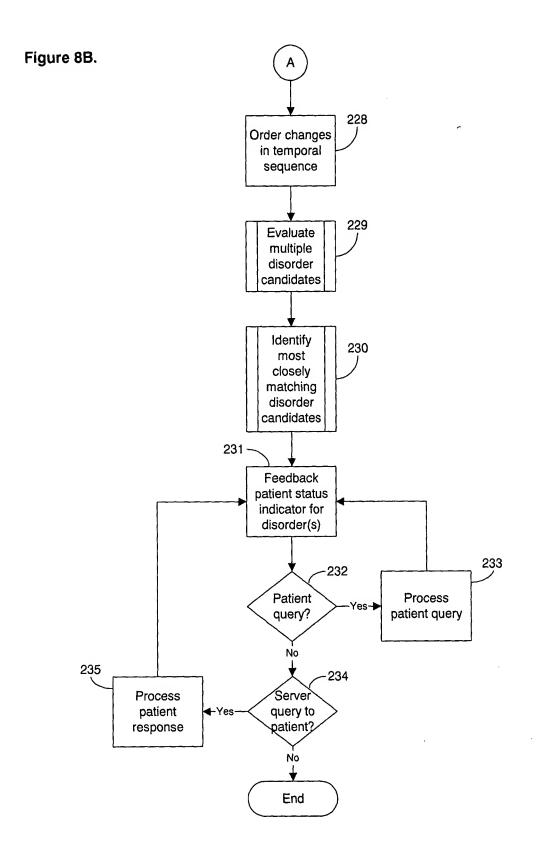


Figure 9.

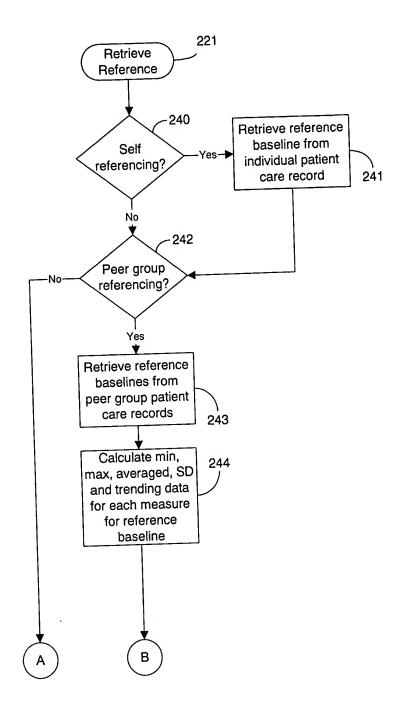


Figure 9 (Cont).

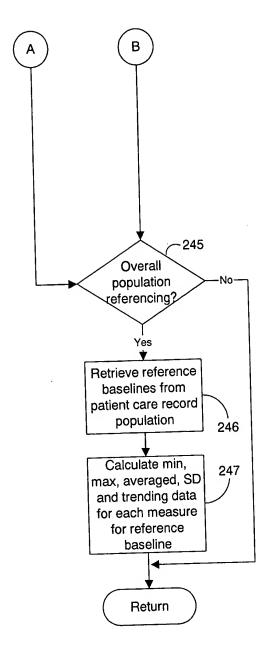


Figure 10.

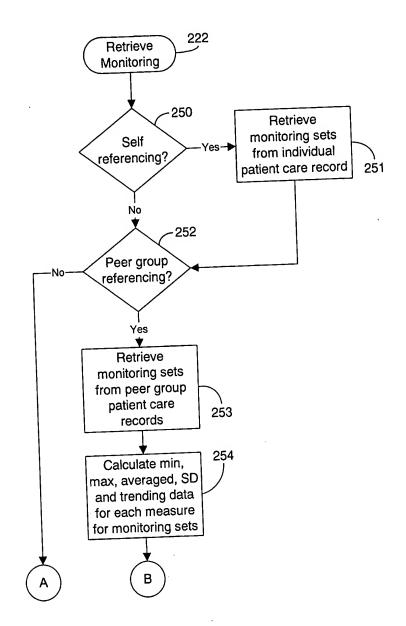


Figure 10 (Cont).

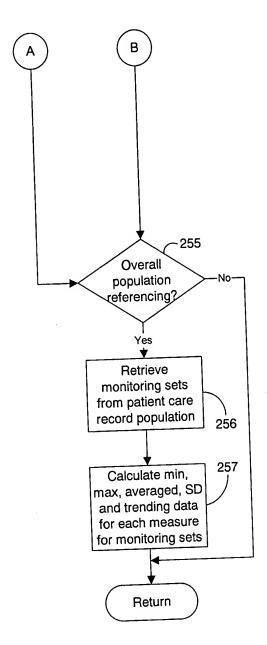
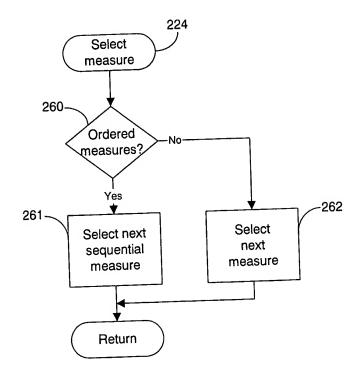
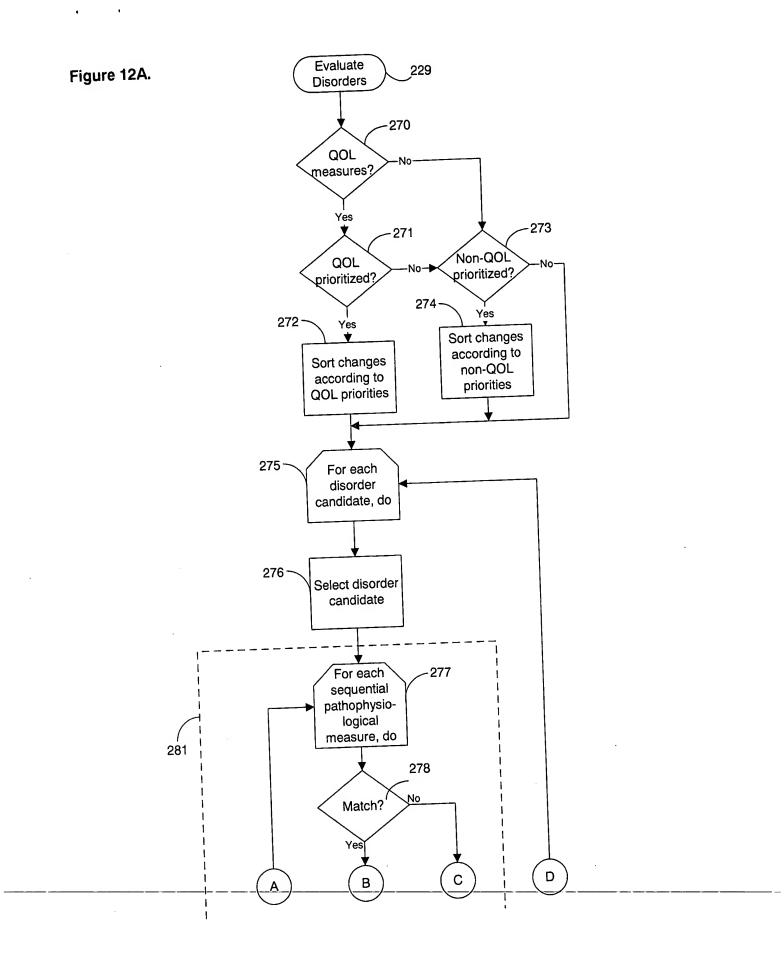


Figure 11.





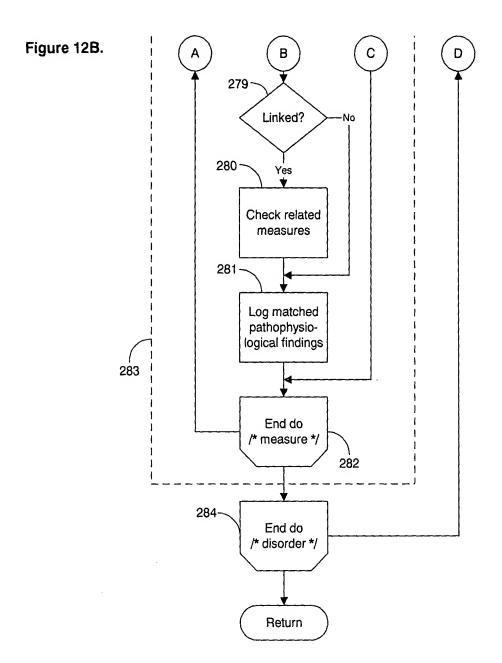


Figure 13A.

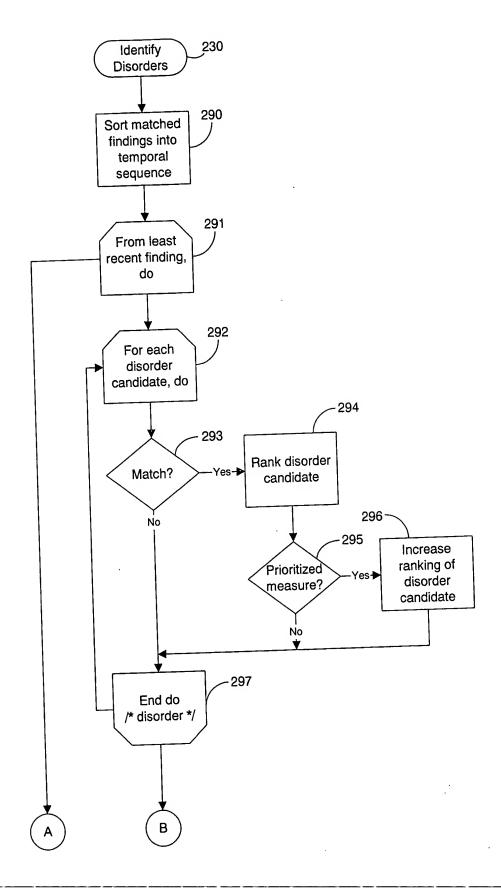


Figure 13B.

